

CHEMICAL ANALYZER FOR SULFUR

ABSTRACT OF THE DISCLOSURE

A circulating flow of liquid gasoline is
5 provided to a chemical analyzer for analyzing sulfur
concentration. The chemical analyzer vaporizes and
combusts a sample of the gasoline to provide an
exhaust gas that includes sulfur dioxide produced by
combusting the sulfur concentration. The exhaust gas
10 is pressurized and delivered to a flame photometric
detector which detects the sulfur dioxide
concentration. The sulfur content is inferred from
the sulfur dioxide concentration.